

Title (en)

ROTATABLE TOOL HAVING A REPLACEABLE CUTTING PART AT THE CHIP REMOVING FREE END OF THE TOOL

Title (de)

DREHENDES WERKZEUG MIT ERSETZBAREM SCHNEIDTEIL

Title (fr)

OUTIL PIVOTANT DONT L'EXTREMITE LIBRE D'ENLEVEMENT DE COPEAUX EST POURVUE D'UNE PARTIE ACTIVE REMPLACABLE

Publication

EP 1328366 A1 20030723 (EN)

Application

EP 01979153 A 20011023

Priority

- SE 0102318 W 20011023
- SE 0003838 A 20001024

Abstract (en)

[origin: WO0234441A1] The present invention relates to a rotatable tool having a replaceable cutting part (7; 7') at the chip removing free end of the tool, the tool also comprising a tool part (3; 3'), on which the cutting part (7, 7') is intended to be mounted, that tool part (3; 3') and the cutting part (7, 7') have chip channels (9), that the cutting part (7, 7') has member for chip removing machining, and that the tool part (3; 3') and the cutting part (7, 7') are interconnected by means of a dovetail coupling which comprises a male part (10; 10') and a female part (20; 20'). The invention also relates to the cutting part separately. Preferably, the invention relates to a drill or a milling cutter. Characteristic of the tool according to the present invention is that the dovetail coupling comprises members for providing a mutual clamping of the parts (10, 20; 10', 20') included in the dovetail coupling.

IPC 1-7

B23B 51/00

IPC 8 full level

B23B 51/00 (2006.01); **B23B 51/02** (2006.01)

CPC (source: EP KR US)

B23B 51/00 (2013.01 - KR); **B23B 51/02** (2013.01 - EP US); **B23B 2251/02** (2022.01 - EP US); **Y10S 408/713** (2013.01 - EP US); **Y10T 408/03** (2015.01 - EP US); **Y10T 408/78** (2015.01 - EP US); **Y10T 408/907** (2015.01 - EP US); **Y10T 408/9097** (2015.01 - EP US); **Y10T 408/9098** (2015.01 - EP US); **Y10T 408/90993** (2015.01 - EP US)

Citation (search report)

See references of WO 0234441A1

Cited by

EP2266738A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0234441 A1 20020502; AT E416058 T1 20081215; CN 100388995 C 20080521; CN 1592664 A 20050309; DE 60136839 D1 20090115; EP 1328366 A1 20030723; EP 1328366 B1 20081203; JP 2004512182 A 20040422; JP 3996506 B2 20071024; KR 20030048071 A 20030618; SE 0003838 D0 20001024; SE 0003838 L 20020425; SE 520412 C2 20030708; US 2002057951 A1 20020516; US 6695551 B2 20040224

DOCDB simple family (application)

SE 0102318 W 20011023; AT 01979153 T 20011023; CN 01817935 A 20011023; DE 60136839 T 20011023; EP 01979153 A 20011023; JP 2002537475 A 20011023; KR 20037005628 A 20030423; SE 0003838 A 20001024; US 98352201 A 20011024